

FORM PTO-1449 (REV. 8-83)	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 3504.246	SERIAL NO. To Be Assigned 09/678,851
INFORMATION DISCLOSURE STATEMENT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT: Offord, et al.	
		FILING DATE Herewith	GROUP 1639

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
P1	5,739,208	4/14/1998	Harris	525	54.1	6/7/1995
P2	5,672,662	9/30/1997	Harris, et al.	525	408	9/30/1997
P3	5,122,614	6/16/92	Zalipsky	548/520		6/16/1992
P4						
P5						
P6						
P7						
P8						
P9						
P10						
P11						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
F1	96/34878	11/7/1996	WO	6			
F2	96/17935	6/13/1996	WO	6			
F3	0 605 963 A2	12/7/1993	EP	5			
F4							

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

D1	Abuchowski, Abraham, et al., "Alteration of Immunological Properties of Bovine Serum Albumin by Covalent Attachment of Polyethylene Glycol", <u>J. Biol. Chem.</u> , Vol. 252, No. 11, pp. 3578-3581 (1977)
D2	Alkhayat, Ghilad, et al., "CC CKR5: A RANTES, MIP-1 α , MIP-1 β Receptor as a Fusion Cofactor for Macrophage-Tropic HIV-1", <u>Science</u> , Vol. 272, pp. 1955-58 (1996)

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	D3	Angiolillo, et al., "A Role for the Interferon-Inducible Protein 10 in Inhibition of Angiogenesis by Interleukin-12", <u>Annals NY Acad. Sci.</u> , Vol. 795, pp. 158-167 (1996)
	D4	Arenzana-Seisdedos, Fernando, et al., "HIV Blocked by Chemokine Antagonist", <u>Nature</u> , Vol. 383, p. 400 (1996)
	D5	Berger, et al., "A New Classification for HIV-1", <u>Nature</u> , Vol. 391, p. 240 (1998)
	D6	Cairns, et al., "Chemokines and HIV-1 Second Receptors: The Therapeutic Connection", <u>Nature Med.</u> , Vol. 4, No. 5, pp. 563-568 (1998)
	D7	Chen, et al., "Genetically Divergent Strains of Simian Immunodeficiency Virus Use CCR5 as a Co-Receptor for Entry", <u>J. Virol.</u> , Vol. 71, No. 4, pp. 2705-2714 (1997)
	D8	Chesebro, et al., "Mapping of Independent V3 Envelope Determinants of Human Immunodeficiency Virus Type 1 Macrophage Tropism and Syncytium Formation in Lymphocytes", <u>J. Virol.</u> , Vol. 70, No. 12, pp. 9055-9059 (1996)
	D9	Choe, et al., "The β -Chemokine Receptors CCR3 and CCR5 Facilitate Infection by Primary HIV-1 Isolates", <u>Cell</u> , Vol. 85, pp. 1135-1148 (1996)
	D10	Cocchi, et al., "Identification of RANTES, MIP-1 α , and MIP- β as the Major HIV-Suppressive Factors Produced by CD8+ T Cells", <u>Science</u> , Vol. 270, pp. 1811-1815 (1995)
	D11	Cocchi, et al., "The V3 Domain of the HIV-1 gp 120 Envelope Glycoprotein is Critical for Chemokine-Mediated Blockade of Infection", <u>Nature Med.</u> , Vol. 2, No. 11, pp. 1244-1247 (1996)
	D12	Connor, et al., "Increased Viral Burden and Cytopathicity Correlate Temporally with CD4+ T-Lymphocyte Decline and Clinical Progression in Human Immunodeficiency Virus Type 1-Infected Individuals", <u>J. Virol.</u> , Vol. 67, No. 4, pp. 1772-1777 (1993)
	D13	Danesi, et al., "Inhibition of Experimental Angiogenesis by the Somatostatin Analogue Octreotide Acetate (SMS 201-995)", <u>Clin. Cancer Res.</u> , Vol. 3, pp. 265-272 (1997)
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	D15	Dawson, et al., "Synthesis of Proteins by Native Chemical Ligation", <u>Science</u> , Vol. 266, pp. 776-779 (1994)
	D16	Deng, et al., "Identification of a Major Co-Receptor for Primary Isolates of HIV-1", <u>Nature</u> , Vol. 381, pp. 661-666 (1996)
	D17	Doranz, et al., "A Dual-Tropic Primary HIV-1 Isolate That Uses Fusin and the β -Chemokine Receptors CKR-5, CKR-3, and CKR-2B as Fusion Cofactors", <u>Cell</u> , Vol. 85, pp. 1149-1158 (1996)
	D18	Friedlander, et al., "Definition of Two Angiogenic Pathways by Distinct α , Integrins", <u>Science</u> , Vol. 270, pp. 1500-1502 (1995)
	D19	Gao, et al., "Structure and Functional Expression of the Human Macrophage Inflammatory Protein 1 α /RANTES Receptor", <u>J. Exp. Med.</u> , Vol. 177, pp. 1421-1427 (1993)
	D20	Gauduin, et al., "Passive Immunization With a Human Monoclonal Antibody Protects hu-PBL-SCID Mice Against Challenge by Primary Isolates of HIV-1", <u>Nat. Med.</u> , Vol. 3, No. 12, pp. 1389-1393 (1997)
	D21	Hojo, Hironobu and Aimoto, Saburo, "Polypeptide Synthesis Using the S-Alkyl Thioester of a Partially Protected Peptide Segment. Synthesis of the DNA-Binding Domain of c-Myb Protein (142-193)-NH ₂ ", <u>Bull. Chem. Soc. Jpn.</u> , Vol. 64, pp. 111-117 (1991)

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09/678, 851

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M	D22	Jose, et al., "Eotaxin: A Potent Eosinophil Chemoattractant Cytokine Detected in a Guinea Pig Model of Allergic Airways Inflammation", <u>J.Exp.Med.</u> , Vol. 179, pp. 881-887 (1994)
	D23	Mack, et al., "Aminooxypentane-RANTES Induces CCR5 Internalization but Inhibits Recycling: A Novel Inhibitory Mechanism of HIV Infectivity", <u>J.Exp.Med.</u> , Vol. 187, No. 8, pp. 1215-1224 (1998)
	D24	Mosier, et al., "Transfer of a Functional Human Immune System to Mice With Severe Combined Immunodeficiency", <u>Nature</u> , Vol. 335, pp. 256-259 (1988)
	D25	Mosier, et al., "Human Immunodeficiency Virus Infection of Human-PBL-SCID Mice", <u>Science</u> , Vol. 251, pp. 791-794 (1991)
	D26	Mosier, et al., "Rapid Loss of CD4+ T Cells in Human-PBL-SCID Mice by Noncytopathic HIV Isolates", <u>Science</u> , Vol. 260, pp. 689-692 (1993)
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	D28	McKnight, et al., "HIV-2 and SIV Infection of Nonprimate Cell Lines Expressing Human CD4: Restrictions to Replication at Distinct Stages", <u>Virology</u> , Vol. 201, pp. 8-18 (1994)
	D29	Neote, et al., "Molecular Cloning, Functional Expression, and Signaling Characteristics of a C-C Chemokine Receptor", <u>Cell</u> , Vol. 72, pp. 415-425 (1993)
	D30	Oikawa, et al., "Angiogenic Factor of a rat Mammary Tumor Cell Line (RMT-1) (I). Secretion of two Distinct Angiogenic Factors Into Serum-Free Conditioned Medium by RMT-1 Cells", <u>Cancer Lett.</u> , Vol. 59, pp. 57-66 (1991)
	D31	Parren, et al., "Protection Against HIV-1 Infection in hu-PBL-SCID Mice by Passive Immunization With a Neutralizing Human Monoclonal Antibody Against the gp120 CD4-Binding Site", <u>AIDS</u> , Vol. 9, No. 6, pp. 1-6 (1995)
	D32	Paxton, et al., "Reduced HIV-1 Infectability of CD4+ Lymphocytes From Exposed-Uninfected Individuals: Association With Low Expression of CCR5 AND High Production of β -Chemokines", <u>Virology</u> , Vol. 244, pp. 66-73 (1998)
	D33	Picchio, et al., "Chemokine Receptor CCR5 Genotype Influences the Kinetics of Human Immunodeficiency Virus Type 1 Infection in Human PBL-SCID Mice", <u>J.Virol.</u> , Vol. 71, No. 9, pp. 7124-7127 (1997)
	D34	Picchio, et al., "The Cell Tropism of Human Immunodeficiency Virus Type 1 Determines the Kinetics of Plasma Viremia in SCID Mice Reconstituted With Human Peripheral Blood Leukocytes", <u>J.Virol.</u> , Vol. 72, No. 3, pp. 2002-2009 (1998)
	D35	Proudfoot, et al., "Extension of Recombinant Human RANTES by the Retention of the Initiating Methionine Produces a Potent Antagonist", <u>J.Biol.Chem.</u> , Vol. 271, No. 5, pp. 2599-2603 (1996)
	D36	Risau, Werner, "Mechanisms of Angiogenesis", <u>Nature</u> , Vol. 386, pp. 671-674 (1997)
	D37	Schnolzer, et al., "In situ neutralization in Boc-chemistry Solid Phase Peptide Synthesis", <u>J.Peptide Protein Res.</u> , Vol. 40, pp. 180-193 (1992)
	D38	Schuitemaker, et al., "Monocytotropic Human Immunodeficiency Virus Type 1 (HIV-1) Variants Detectable in all Stages of HIV-1 Infection Lack T-Cell Line Tropism and Syncytium-Inducing Ability in Primary T-Cell Culture", <u>J.Virol.</u> , Vol. 65, No. 1, pp. 356-363 (1991)
M	D39	Simmons, et al., "Potent Inhibition of HIV-1 Infectivity in Macrophages and Lymphocytes by a Novel CCR5 Antagonist", <u>Science</u> , Vol. 276, pp. 276-279 (1997)

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D40 Simmons, et al., "Primary, Syncytium-Inducing Human Immunodeficiency Virus Type 1 Isolates Are Dual-Tropic and Most Can Use Either Lestr or CCR5 as Coreceptors for Virus Entry", J.Virol., Vol. 70, No. 12, pp. 8355-8360 (1996)

D41 Speck, et al., "Selective Employment of Chemokine Receptors as Human Immunodeficiency Virus Type 1 Coreceptors Determined by Individual Amino Acids within the Envelope V3 Loop", J.Virol., Vol. 71, No. 9, pp. 7136-7139 (1997)

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D45 Tsutsumi, et al., "Chemical Modification of Natural Human Tumor Necrosis Factor- α With Polyethylene Glycol Increases its Anti-Tumor Potency", Jpn.J. Cancer Res., Vol. 85, pp. 9-12 (1994)

D46 Weiss, et al., "Plasma Levels of Monocyte Chemoattractant Protein-1 but not Those of Macrophage Inhibitory Protein-1 α and RANTES Correlate with Virus Load in Human Immunodeficiency Virus Infection", J.Infect.Dis., Vol. 176, No. 6, pp. 1621-1624 (1997)

D47 Wu, et al., "CCR5 Levels and Expression Pattern Correlate with Infectability by Macrophage-Tropic HIV-1 In Vitro", J.Exp.Med., Vol. 185, No. 9, pp. 1681-1691 (1997)

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P1						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
F1							

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

D1	Noso, Norio, et al., "Identification of a N-Terminally Truncated Form of the Chemokine RANTES and Granulocyte-Macrophage Colony-Stimulating Factor as Major Eosinophil Attractants Released by Cytokine-Stimulated Dermal Fibroblasts", <u>Journal of Immunology</u> , Vol. 156, no.5, pgs. 1946-1953 (1996)
D2	International Search Report for PCT/US98/18204

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